

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled)
2. (Currently Amended) An IP address setting system, comprising:

a plurality of nodes of a network;
an IP address setting device; and
a router, the plurality of nodes and the IP address setting device
communicating via the router,

~~a plurality of nodes of a network, wherein each node having a storing has a~~
storing unit that prestores a particular multicast address, each node providing notification that
the node is a member of the particular multicast address prestored in the storing unit; and

~~an IP wherein the IP address setting device, comprising: device comprises:~~

a request packet transmitting unit that transmits a request packet to the
particular multicast address prestored in the storing unit of each node, the request packet
requesting transmission of MAC addresses from the nodes of the network; network,

wherein the each node has a response transmitting unit that transmits, in
response to the request packet, a response to a multicast address, to which the IP address
setting device has joined, each response including the MAC address of the each node; and

wherein the IP address setting device further comprises:

a response reception unit that receives responses from the nodes to the
request packet transmitted by the request packet transmitting unit, each response including the
MAC address of a corresponding node; transmitting unit;

an address information designation unit (1) that, based on the responses
received from the nodes by the response reception unit, designates one node, one node, which

has not yet been set with correct address information, to be set with address information including an IP address and (2) that designates the address information, wherein the address information designation unit includes:

a display that displays a list of nodes that transmitted responses;

a selection unit that enables a user to designate the one node to be set with address information from the list; and

an address information setting unit that designates the address information for the one node; and

a setting packet transmission unit that transmits a setting packet to the particular multicast address, the setting packet including the address information set by the address information designation unit and the MAC address included in the response of the one node.

3-6. (Canceled)

7. (Currently Amended) An IP address setting method comprising:

~~notifying that each of a~~ notifying, from a plurality of nodes of a network, that
each of the plurality of nodes of a network is a member of a particular multicast address, each node having a storing unit that is prestored with the particular multicast address;

transmitting a request packet from an IP address setting device to the particular multicast address prestored in the storing unit of each node, the request packet including a request for a MAC address from the nodes of the network;

transmitting in response to the request packet, a response from the each node
to a multicast address, to which the IP address setting device has joined, the response
including the MAC address of the corresponding node;

~~receiving-receiving, at the IP address setting device, the responses from the nodes to the request packet, each response including the MAC address of a corresponding node; packet;~~

~~displaying-displaying, at the IP address setting device, a list of nodes that transmitted responses;~~

~~determining-determining, at the IP address setting device, selection of one node-one node, which has not yet been set with correct address information, to be set with address information, designated by a user from the list;~~

~~designating-designating, at the IP address setting device, the address information, including the IP address, for the one node; and~~

~~transmitting-transmitting, from the IP address setting device to the particular multicast address-address, a setting packet including the address information and the MAC address included in the response from the one node-one node, the request packet and the setting packet being transmitted from the IP address setting device via a router to the particular multicast address of the nodes.~~

8-17. (Canceled)

18. (Previously Presented) The IP address setting system according to claim 2, wherein each node of the plurality of nodes has the particular multicast address prestored in the storing unit prior to being included as a node on the network.

19. (Previously Presented) The IP address setting method according to claim 7, wherein each node of the plurality of nodes has the particular multicast address prestored in the storing unit prior to being included as a node on the network.

20. (New) The IP address setting system according to claim 2, wherein the address information further includes a default gateway and a subnet mask.

21. (New) The IP address setting method according to claim 7, wherein the address information further includes a default gateway and a subnet mask.